

2010 Military Health System Conference

CDM, Measures you can use.

Sharing Knowledge: Achieving Breakthrough Performance

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Jan 12, 2010



NAVAL MEDICAL CENTER PORTSMOUTH

What is the Clinical Data Mart



- CDM is the clinical reporting tool for AHLTA and provides ad hoc reports, structured query and analysis capabilities
- CDM measures, analyzes and manages performance of direct patient care, wellness, prevention and disease management.
- CDM reports AHLTA demographic, symptomatic, and diagnostic data

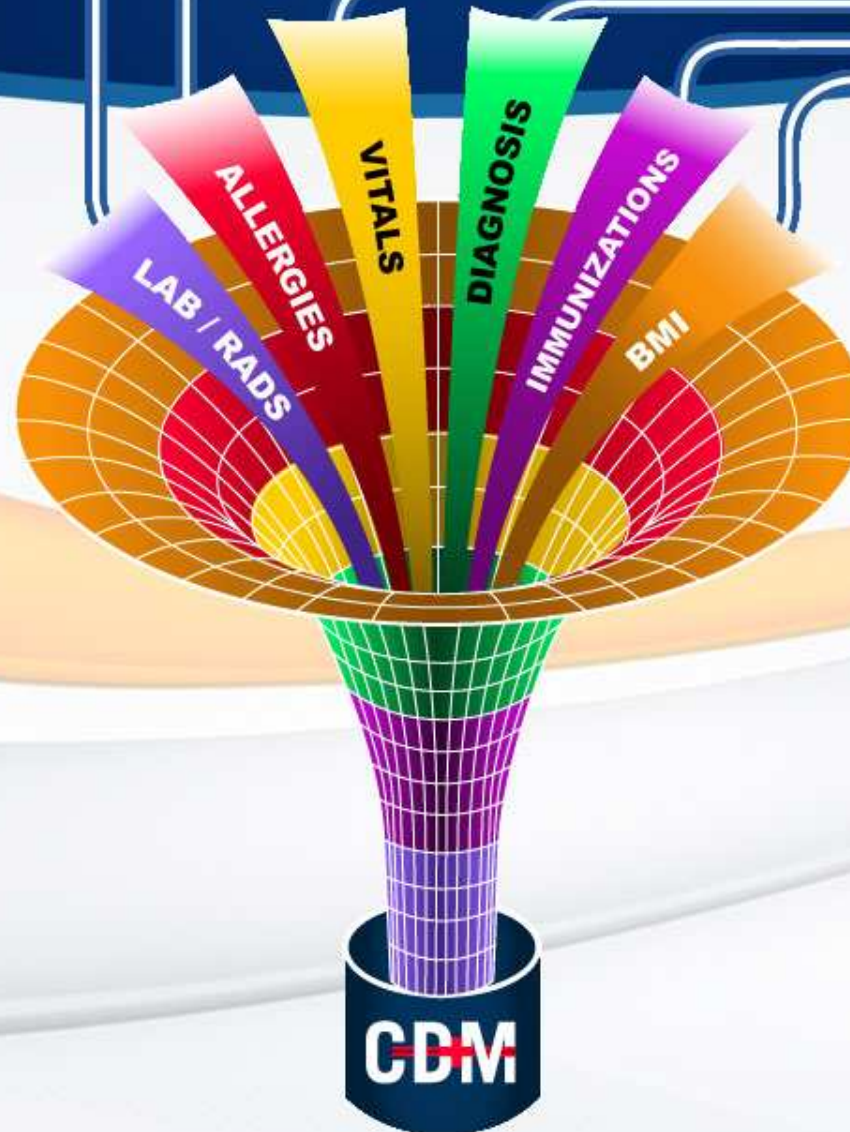
Conceptual Access Path



- Provide reporting access to specific clinical data from the AHLTA Clinical Data Repository (CDR)
- CDM imports raw data from CDR
 - Including access to AHLTA free text data
- Data is refreshed approximately every 48 hours

CDM is the Key

- ✓ **Enterprise-wide Data**
- ✓ **CDR Data Feed**
- ✓ **Scalable**
- ✓ **Market Leading Business Intelligence Toolset**
- ✓ **Robust Security**



- ✓ **Enterprise**
- ✓ **Service**
- ✓ **MTF**
- ✓ **Clinic**
- ✓ **Provider**
- ✓ **Patient**

CDM – the KEY business tool



- Business intelligence dashboard is no different than the dashboard in your car.
 - It keeps you informed of your car's performance and alerts (read: business') you when you're running out of gas (read: money).
 - In order to truly benefit your business, a great dashboard needs to be designed to meet four important criteria, tell us what you NEED.
 - Canned reports are being built.

CDM – the KEY business tool



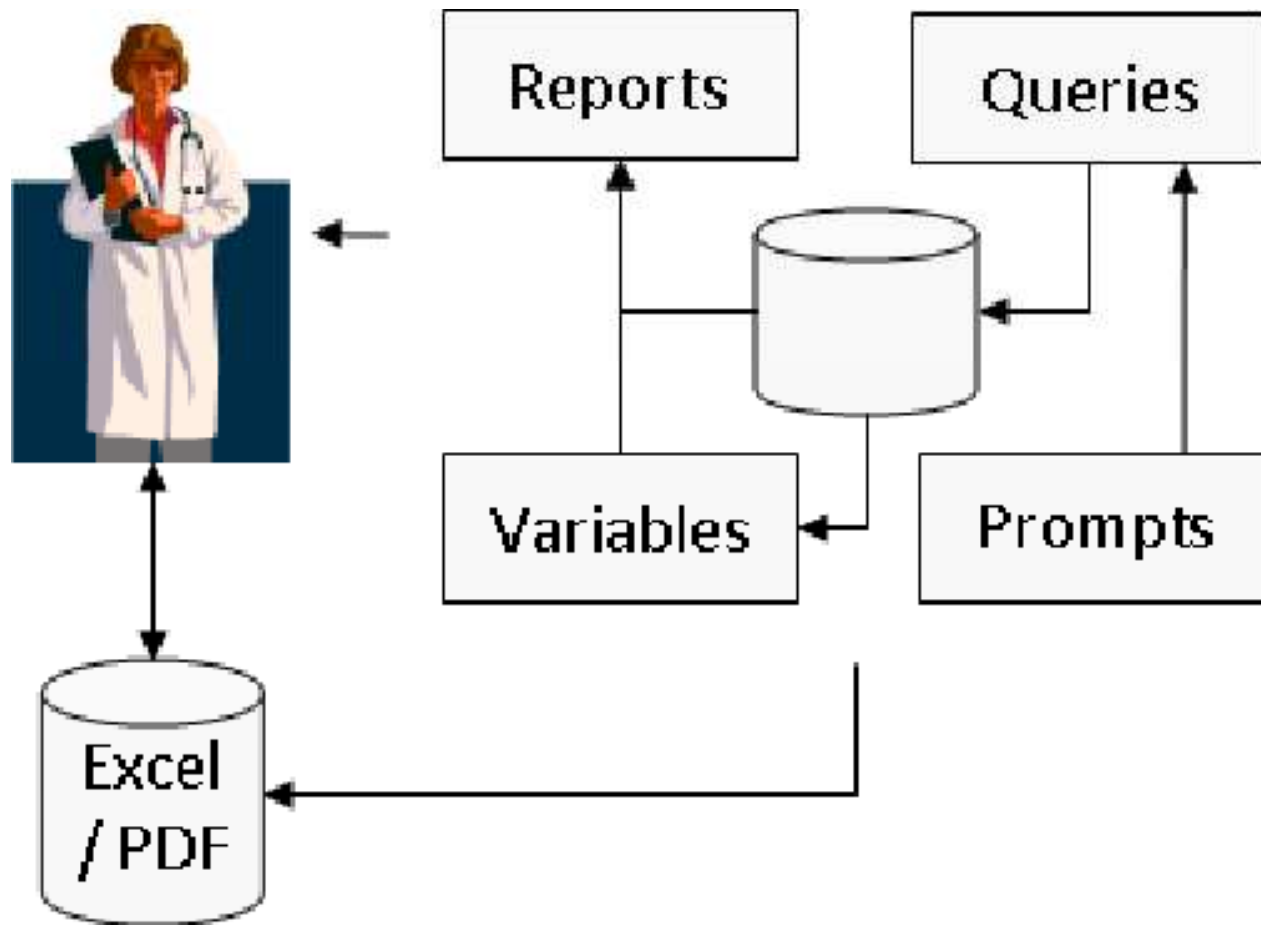
- Dashboard Metrics are only as good and reliable as the data they're drawing from, the CDM draws directly from our patients ACTUAL electronic medical record.
 - If your data isn't useful, reliable and high quality, your dashboard won't be either, CDM takes that concern away.

AHLTA Integrated Provider Tool

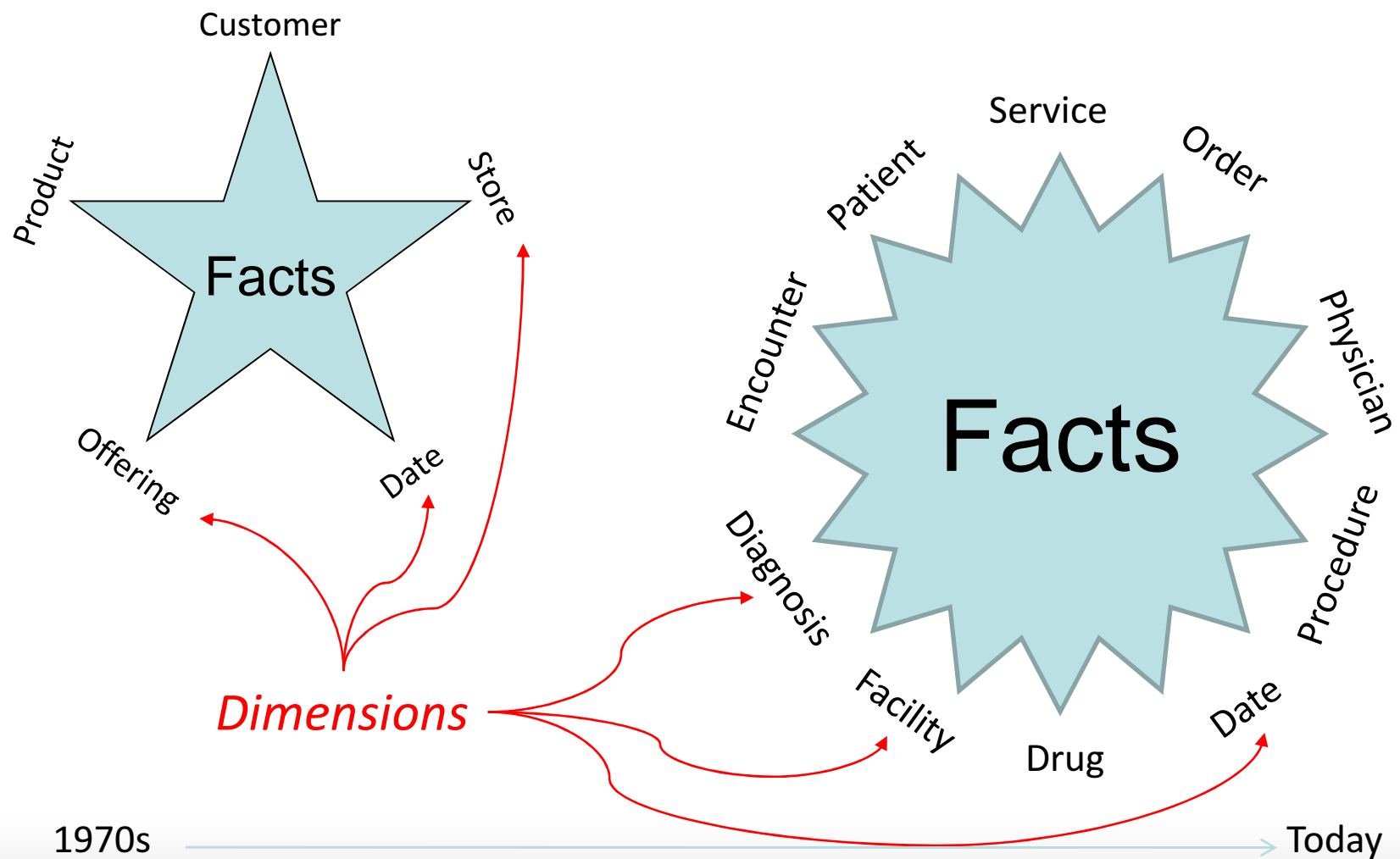


- Two ways to get CDM via AHLTA clinical desktop and freestanding application sign on.
- Benefits
 - Integrated Desktop Transparent data from patient level, command, regional and service level to be able to evaluate best practices and performance improvement real-time.
 - Joint solution for Joint patient care and evaluation of care in garrison.
 - Assess achievement of priorities across the enterprise

Conceptual Access Path



Star Schema Data Warehouses

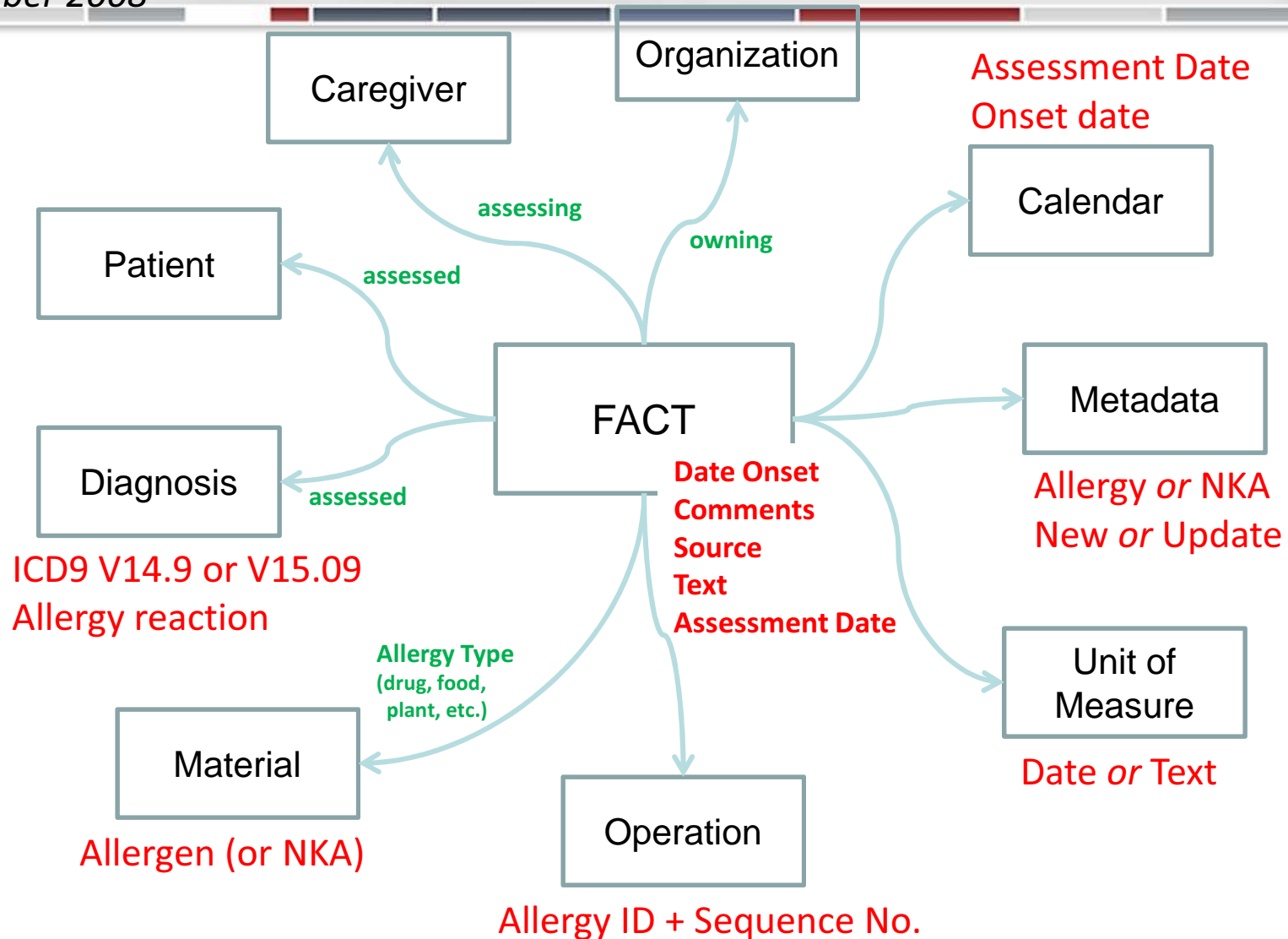




CDM Allergy Prototype

December 2008

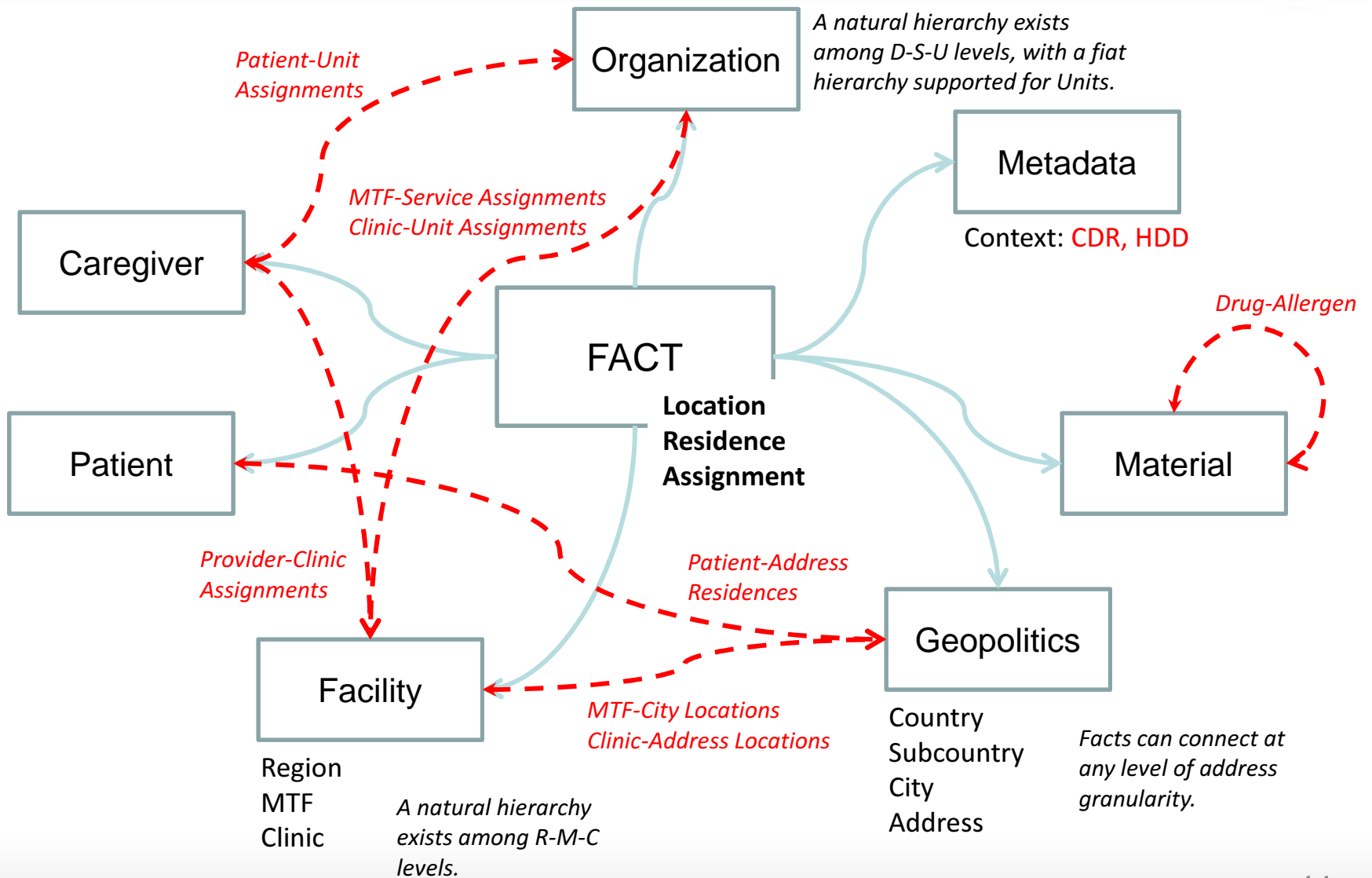
Department of Defense



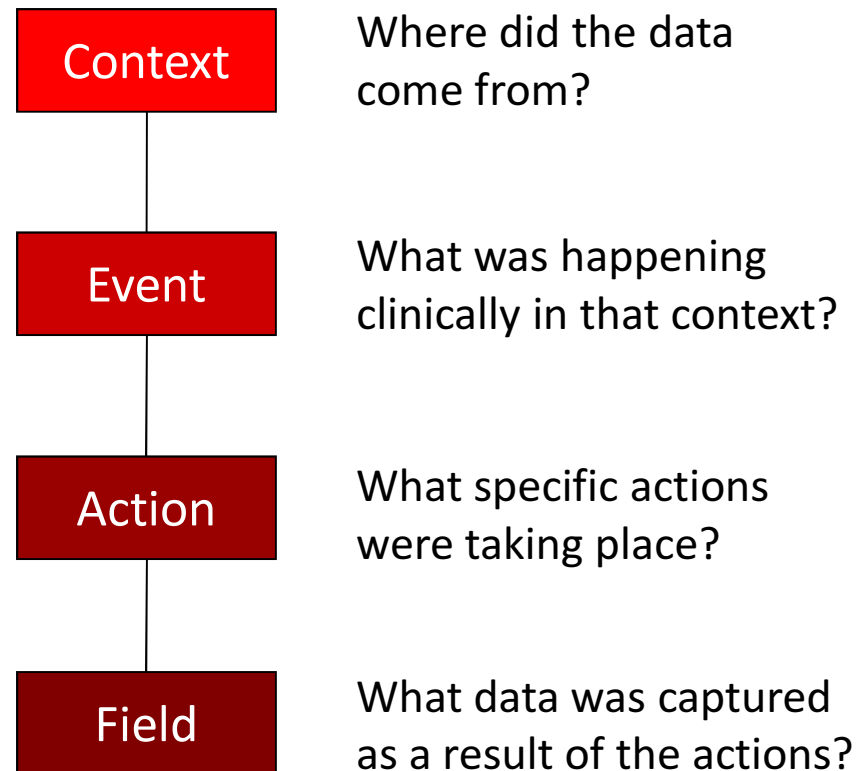


Interdimensional Control Data

Department
Service
Unit



Metadata Dimension



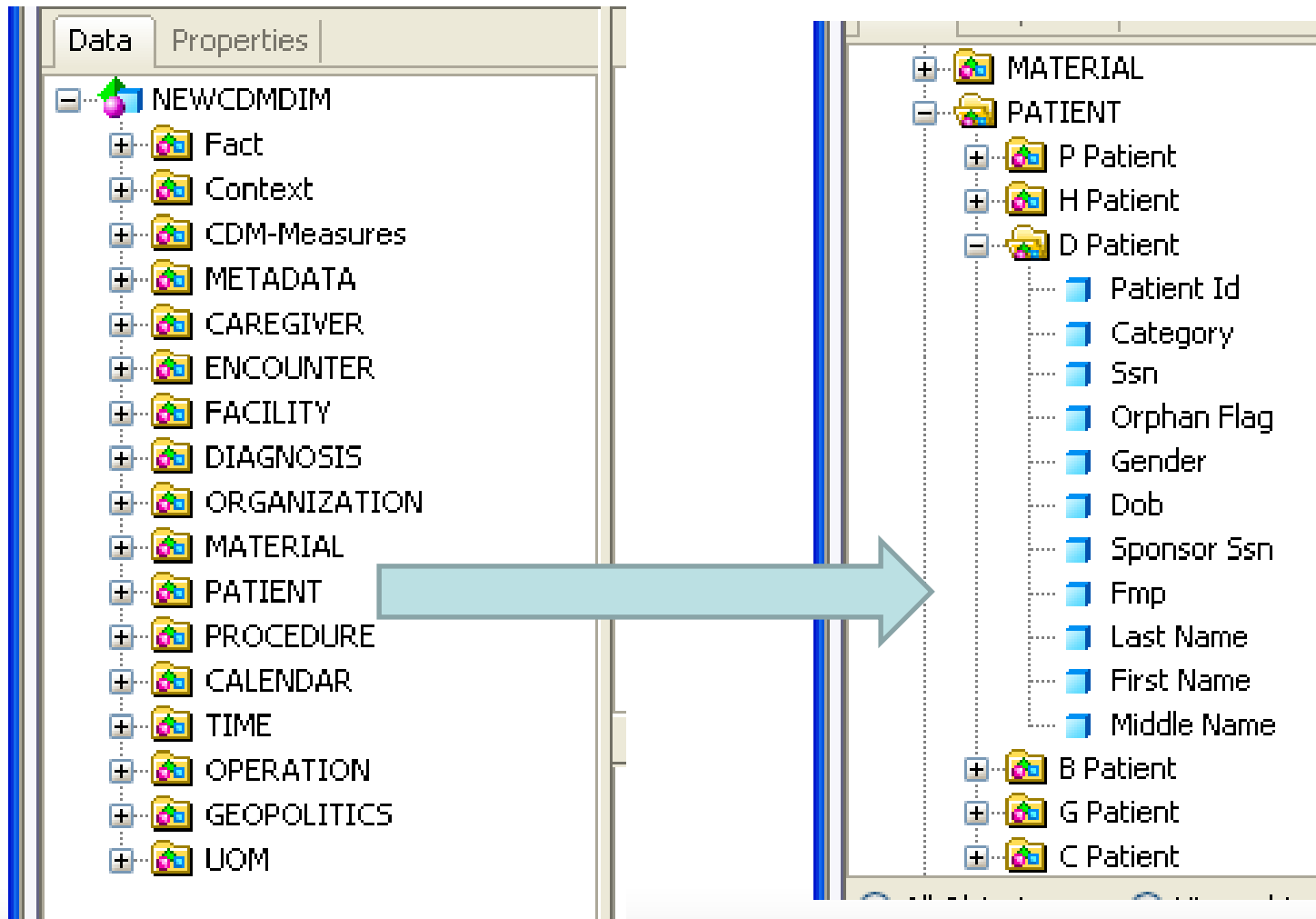
Metadata also drives the CDM Data Dictionary and internal system of controls.

CDM Data Fields



- Allergies
- Vital signs
- Health history
- Lab, radiology and pharmacy orders
- Body mass index
- Immunizations
- Consults
- Problem history
- Operational readiness
- Historical procedures
- Clinical coding
- Medical terms

Universe is still evolving....



System and limitations



CDR



CDM

- All CDR fields not funded to CDM
- All CDR fields not envisioned to CDM
- CDM has new dev't funds
- All fields in CDM do not have full date hx in CDR
- This is not the big CDW.

CDM Capabilities



- Based on BO
 - Similar to M2
 - Easy query building: drag and drop objects
- Save and schedule queries for future data refresh
- Share reports with other CDM users
- Export reports to Excel, .csv or .pdf
- Display data using charts, bars and graphs

CDM Environment

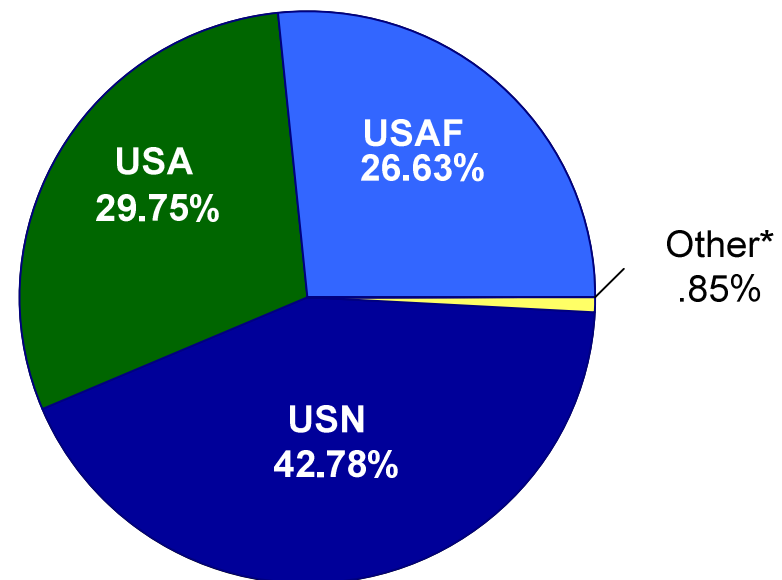


- Business Objects XI r2 (BOXI r2)
 - Infoview panel with added features
 - Web intelligence tool with added functionality
 - Five Universes
 - MTF Patient No Detail
 - MTF Patient Detail **
 - Enterprise Data Miner No Detail
 - Enterprise Data Miner **
 - Provider Patient
 - 17 Pre-configured reports

Total Users



Service	Number
Navy	185
Army	129
Air Force	116
Other*	4
434	



CDM Users Potential uses



- ESC
 - Encounters closed in 72 hours
 - Co-signature delinquency
 - Coding accuracy
 - Prosp Pay't System (RVUs)
 - Provider comparison & Trending
- Clinic Mgrs
 - EOD Closure
 - CHCSI = AHLTA
 - Tests not executed
 - Med reconciliation report
 - Hedis-like measures
- Providers
 - CPG measures
 - Enrolled panel population (pie) over view
- Nursing (RN/LP/HM)
 - Lab pull report
 - Tests not executed
 - Pt Recalls (lab/rad)
 - Med reconciliation report
- Business Users/Data Miner
 - Data Validation
 - Compliance Tracking
 - PBB/PPS
- Operational Reports

Who benefits from this tool?



- AHLTA users only, not for long. . .
 - Providers
 - Clinical support staff and administrators
 - Population health experts
 - Data analysts
 - Researchers

Type of CDM access and data?



- **MTF Patient Detail****: User can view patient identifiable data within a specified MTF.
- **MTF Patient No Detail**: User can view de-identified patient data for patients within a specified Military Treatment Facility (MTF).
- **Enterprise Data Miner (EDM) Detail****: User can view identifiable patient data for all patients across the health enterprise.
- **Enterprise Data Miner (EDM) No Detail**: User can view de-identified patient data for patients across the health enterprise.
- **Provider Detail****: User/Provider can view patient identifiable data for patients treated by that provider.

**** This role requires user to complete, submit and have processed an *Account Access Request Form (AARF) through EIDS.***

Roles are assigned by MTF AHLTA system administrators.

Where can I get more info on CDM?

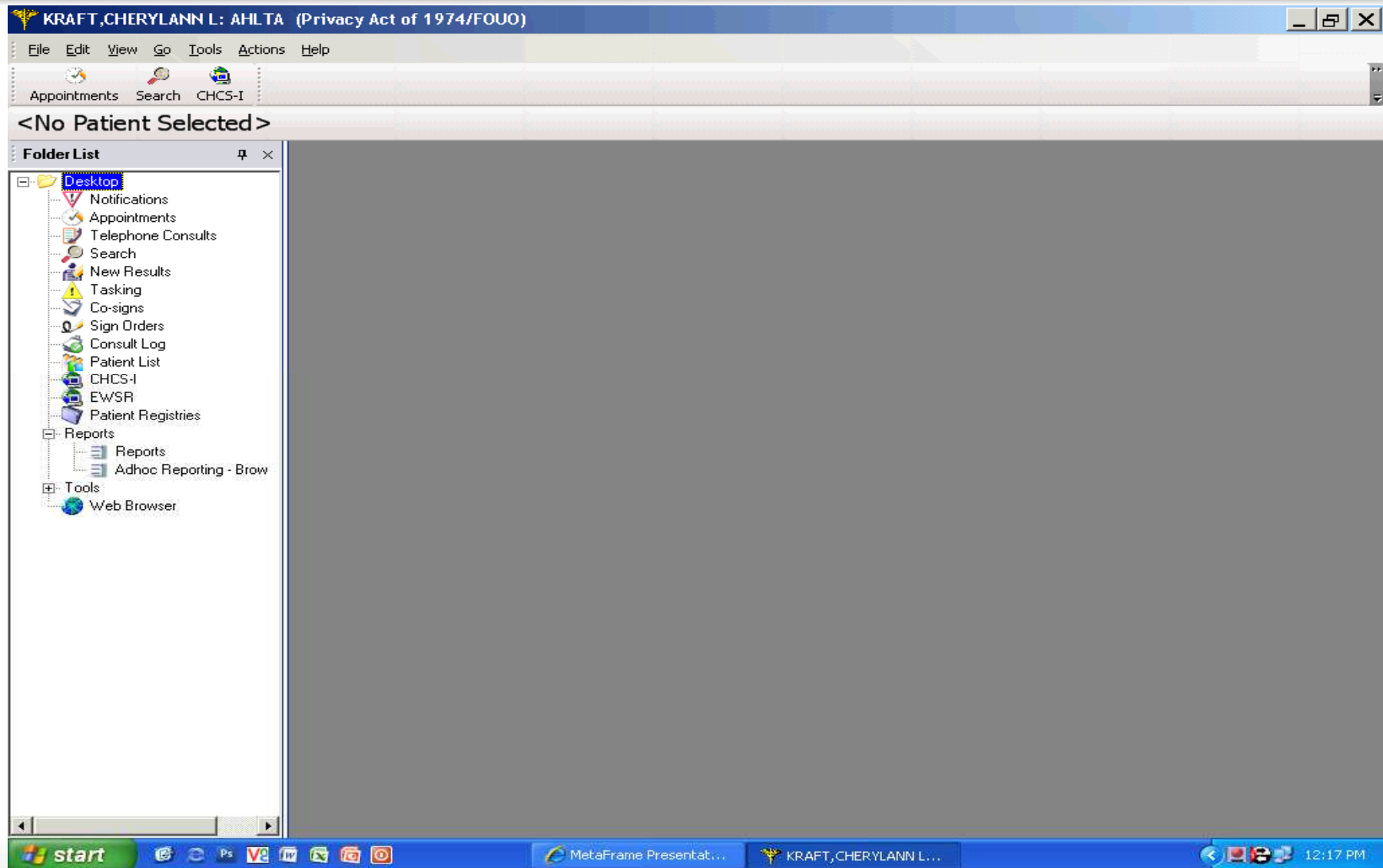


- CDM Public Training Folders
 - MHS CDM Business Objects – Training Exercises
- MHS Online <https://mhslearn.satx.disa.mil/>
 - Scheduled Learning: BoxiBusiness Objects XI R2
- CDM Workshops
 - MHS Online Virtual Classroom
 - March 6 – April 3, 2008: Thursdays at 2 p.m. EST



SAMPLE CDM REPORTS

How do you access CDM





https://152.229.149.187 - InfoView - Microsoft Internet Explorer



DHSS CDM HOME PAGE - FOR OFFICIAL USE ONLY

Welcome: CHERYLANN_L_KRAFT1

New Send My InfoView Search title

Folders

- Home
- My Folders
- Public Folders

Home

The latest CDM data has been refreshed to: JAN-24-2010



* The CDM application is an analysis and reporting tool for selected CDR data and is not intended nor approved to be used as a point of care (POC) system.

** The CDM application reflects a raw data load from the CDR and does not go through a data cleansing process. As with any data reporting system, if you identify issues with any elements, please log a ticket w/ MHS Help Desk at <http://www.mhs-helpdesk.com>

CDM has been updated to the version of 1.00.05.0 and includes the following changes to your CDM environment:

1. New Patient Age Rounded Down object has been created in the Patient Age subclass.
2. Ordering location data objects have been added to the subclasses for Laboratory, Radiology, and Medication for increased efficiency in building reports.
3. The List of Values for some of the most popular objects has been updated to refresh and sort automatically when using query filters. Due to CDM's 200,000 row restriction, we do not recommend using this feature for the objects with a large results set.

For additional information on the changes, please go to Public Folders->Reference Documents to find the "CDM Release 1.00.05.0 Detailed Changes" document. If you have any questions or comments, please contact the MHS Help Desk at dhss@mhs-helpdesk.com or 1-800-600-9332.



Tip of the Week - Formatting Dates

To format dates in [CDM reports], you must use the correct Business Objects syntax. The correct syntax to return a day/month/year format is "dd/MM/YYYY". For example: `FormatDate(CurrentDate(),"dd/MM/yyyy")` will return the current date in a 16/06/2008 format if the current date is 16 June 2008.



Are you getting all the latest information and news about CDM?

To ensure you are receiving the latest information on CDM including training details and system maintenance notices, please contact MHS Help Desk at 1-800-600-9332 or at ehds@mhs-helpdesk.com to verify that DHSS has correct contact information and e-mail address.

[Personalize InfoView now](#)

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OnDemand Services](#)

Discussions

Sample CDM Dashboard



7. Dashboard Sample



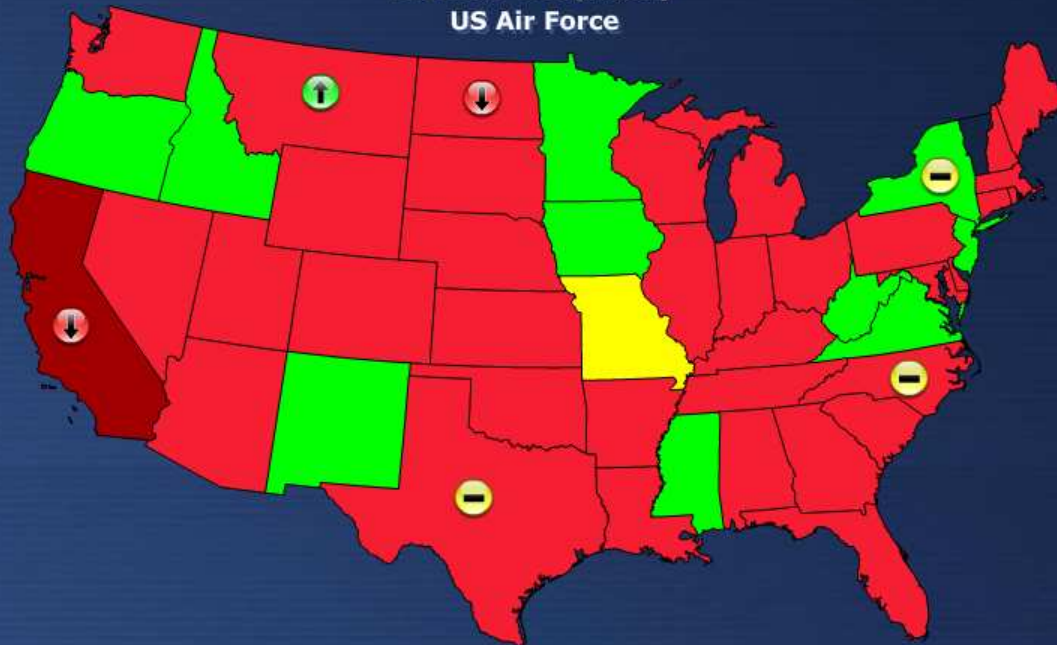
U.S. Department of Defense
Military Health System

SAMPLE ONLY, NOT
YET FIELDIED

Clinical Data Mart



Diabetic Compliancy
US Air Force



US Air Force



California

	Patient Count	Compliance %
HbA1c	738	72%
Foot Exam	202	83%
Eye Exam	128	55%
LDL	136	34%
Glucose	68	67%

Discussions

Enterprise PTSD



PTSD

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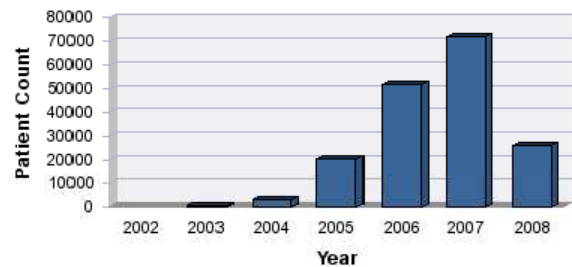
Edit Refresh Data

Remove Filter Sort Break Calculations Insert Duplicate Alerts

Posttraumatic stress disorder (ICD9 308.3 & 309.81) Enterprise-wide

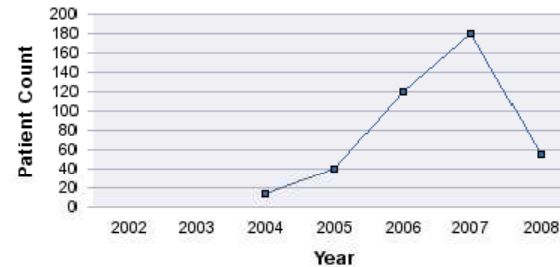
PTSD

Count of distinct patients diagnosed with PTSD.



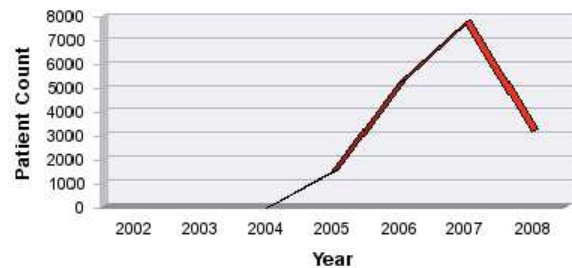
Suicide

Count of distinct patients diagnosed with PTSD and having a suicide attempt (ICD9 code: E950.* to E959.*).



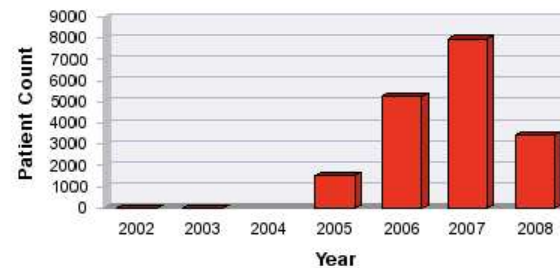
Alcohol

Count of distinct patients diagnosed with PTSD and reporting habitual alcohol use.



Tobacco

Count of distinct patients diagnosed with PTSD and reporting tobacco use.



PTSD

Refresh Date: May 5, 2008 12:50:22 PM

Nephrology Study – All Patients



Welcome: rhrwitz

New Send My InfoView Search title

Nephrology Study Report 1 - Summary

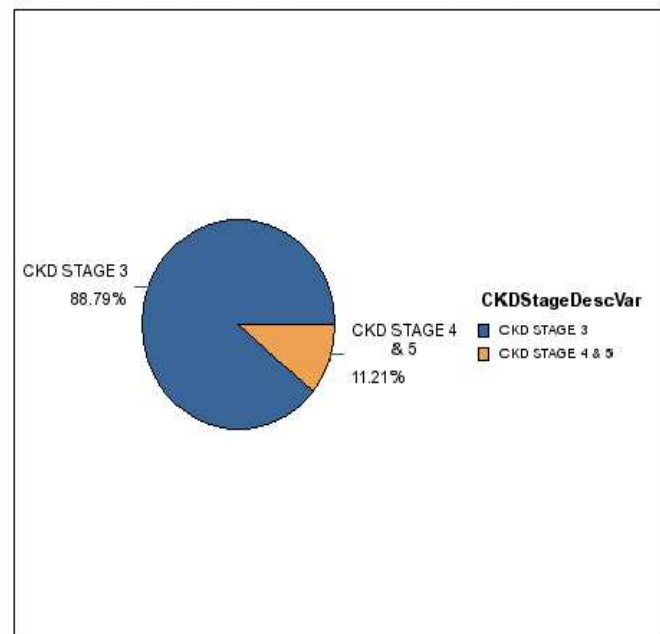
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Edit Refresh Data

Remove Filter Sort Break Calculations Insert Duplicate Alerters

Nephrology Study Summary - All Patients

This report shows patients by CKD Stage, race and gender. CKD Stage is determined using creatinine lab results and the following equation to determine eGFR: $eGFR = 186 * scr^{-1.154} * age^{-0.203} * 0.742$ (if female) * 1.210 (if African American). This report displays both patients do and don't have CKD Diagnosis codes.



	CKD STAGE 3	CKD STAGE 3	CKD STAGE 3	CKD STAGE 4 & 5	CKD STAGE 4 & 5	
	FEMALE	MALE	UNDISCLOSED	FEMALE	MALE	Totals:
ASIAN OR PACIFIC ISLANDER	907	391		201	97	1,596
BLACK	2,108	2,207		431	550	5,296
MONGOLOID	1	1				2
OTHER	2,080	1,587		326	272	4,265
OTHER OR UNKNOWN	34	30		2	3	69
UNKNOWN	1,969	1,559		152	135	3,815
UNMATCHED	4,630	3,870	1	351	266	9,118
WESTERN HEMISPHERE INDIAN (RED)	29	15		3	2	49
WHITE	15,798	13,014	1	1,888	1,664	32,365
Totals:	27,556	22,674	2	3,354	2,989	56,575

Summary

Refresh Date: March 25, 2008 4:04:55 PM

Discussions

Tobacco Cessation PBB Metric



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Tobacco Cessation MTF Patient Detail Report V2.3 Enterprise Universe : 434561

Document View Save Find Undo Redo Zoom 100% 1 Refresh Data

PBB Tobacco Cessation Metric Report Summary

MTF Detail Report Description

This report presents the smoking cessation metrics being graded for FY 2010. The metrics will be used to grade and reward CONUS performance aggregated to the Parent treatment DMIS ID level. This report contains Parent DMIS, Child DMIS, Clinic and Patient level data, providing an actionable list to aid MTFs on PBB tobacco metric improvement efforts.

Metric Details

Adult Visits: The number of adult encounters within the reporting period selected.

Adult Visits w/Tobacco Use Screening: The number of adult encounters opened in which the vitals module was opened and tobacco-use status was recorded (yes or no box checked - vitals.tobacco is not null) within the reporting period selected.

Unique Adults with Reported Tobacco Use: The number of unique adults who answered positively and had the 'yes' box checked for the tobacco-use status screening within the selected reporting period, even if they had a 'no' recorded within the same period.

Unique Adults Diagnosed w/Tobacco Use (12 mo): The number of unique adults who had the 'yes' box checked for the tobacco-use status and had a documented tobacco related ICD9 diagnosis code at any point within the 12 month

Adult Visits with Vitals: The number of adult encounters in which vitals module was opened within the reporting period selected.

Unique Adults Screened for Tobacco Use: The number of unique adults in which the vitals module was opened and tobacco-use status was recorded (yes or no box checked-vitals.tobacco is not null) within the reporting period selected.

Unique Adults with Reported Tobacco Use (12 mo): The number of unique adults who answered positively and had the 'yes' box checked for the tobacco-use status screening within a 12 month reporting period, even if they had a 'no' recorded within the same period.

Unique Adults Counseled for Tobacco Use: The number of unique adults who had the 'yes' box checked for the tobacco-use status, had a documented diagnosis with a tobacco related ICD9 code and had documentation for counseling on tobacco use within the 12 month period.

Metric Definitions

#1:Tobacco Screening (FY09): $\% = [(\# \text{Visits w/Tobacco Screening}) / (\# \text{Visits with Vitals})] * 100$

#2:Tobacco Diagnosis (FY10): $\% = [(\# \text{Adults Diagnosed w/Tobacco Use}) / (\# \text{Adults Tobacco Users})] * 100$

#3:Tobacco Counseling (FY11): $\% = [(\# \text{Adults Counseled for Tobacco Use}) / (\# \text{Adults Diagnosed w/Tobacco Use})] * 100$

Report Parameters

Introduction Parent DMIS Summary Child DMIS Summary Clinic Summary Provider S Refresh Date: November 18, 2009 9:05:24 AM

Discussions



Internet



Navy Tobacco Cessation Report v5 : 434569



Navigation Map

- Navy Tobacco Cesse
- Guidance
- Summary Report
- Oct2007
- Nov2007
- Dec2007
- Jan2008
- Feb2008
- Mar2008
- Apr2008
- May2008
- Jun2008
- Jul2008
- Aug2008
- Sep2008

Navy Tobacco Cessation Report

Appointment Date between: 9/1/2008 12:00:00 AM and 10/1/2008 12:00:00 AM

Last Data Refresh Date: 9/22/09

Last Report Refresh Date: 9/24/09

Service Code	Parent DM IS ID	# Adult Visits	# Visits with Vitals Recorded	# Visits w/Tobacco Screening	# Adults Screened for Tobacco Use	# Adults Tobacco Users	# Adults Diagnosed w/ Tobacco Use	# Adults Counseled on Tobacco Use	% Vitals Visits with Screening	% Adult Tobacco Users Diagnosed	% Diagnosed Adults Counseled
A	0001	6,812	83,340	63,583	2,336	10,051	1,351	125	76.29 %	13.44 %	9.25 %
A	0003	8,163	104,305	85,985	2,865	14,095	3,244	0	82.44 %	23.02 %	0.00 %
A	0005	18,541	124,137	90,033	3,062	18,700	2,046	162	72.53 %	10.94 %	7.92 %
A	0008	8,619	140,869	112,832	3,131	18,726	1,315	0	80.10 %	7.02 %	0.00 %
A	0032	35,742	363,122	261,187	8,527	47,088	5,256	64	71.93 %	11.16 %	1.22 %
A	0037	51,907	441,560	288,523	10,401	24,831	1,813	0	65.34 %	7.30 %	0.00 %
A	0047	41,634	534,148	410,852	11,673	56,960	10,238	4	76.92 %	17.97 %	0.04 %
A	0048	49,602	444,215	379,503	12,008	35,220	6,427	0	85.43 %	18.25 %	0.00 %
A	0049	25,631	241,940	181,744	6,507	30,455	2,900	5	75.12 %	9.52 %	0.17 %
A	0052	52,402	508,372	374,483	12,986	47,604	4,722	129	73.66 %	9.92 %	2.73 %
A	0057	22,484	212,096	147,320	5,313	35,985	7,191	0	69.46 %	19.98 %	0.00 %
A	0058	9,263	125,299	91,181	2,575	11,295	1,492	0	72.77 %	13.21 %	0.00 %
A	0060	30,635	351,778	228,402	8,220	47,279	7,701	11	64.93 %	16.29 %	0.14 %
A	0061	27,081	304,291	244,800	7,528	49,282	6,925	904	80.45 %	14.05 %	13.05 %
A	0064	10,088	119,857	88,674	2,457	17,169	3,918	54	73.98 %	22.82 %	1.38 %
A	0069	24,515	309,160	260,572	9,187	41,193	5,137	0	84.28 %	12.47 %	0.00 %

Guidance

Summary Report

Oct2007

Nov2007

Dec2007

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Discussions



start



MetaFra...

KRAFT,...

1300

Microsof...

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Tobacco Cessation MTF Patient Detail Report V2.3 Enterprise Universe : 434561

- N...
- Tobacco Cessat
- Introduction
- Parent DMIS
- Child DMIS S
- Clinic Summe
- Provider Sur
- Tobacco Sci
- Screened an
- Not Diagnos
- Counseled
- Not Counsel

Parent MTF Summary Tobacco Cessation Report *Beta*

Parent MTF DMIS: 0615

Data Refresh: 11/09/2009 20:43

Appointment Date between: 8/1/2009 12:00:00 A M and 9/1/2009 12:00:00 A M

Report Date: 11/18/09

Parent DMIS ID	# Adult Visits	# Adult Visits with Vitals	# Adult Vitals Visits w/Tobacco Use Screening	# Unique Adults Screened for Tobacco Use	# Unique Adults with Reported Tobacco Use	# Unique Adults with Reported Tobacco Use (12 mo)	# Unique Adults Diagnosed w/ ICD-9 for Tobacco Use (12 mo)	# Unique Adults Counseled on Tobacco Use (12 mo)	% Prevalence of Tobacco Use	% Visits with Tobacco Screening	% Tobacco Users Diagnosed (12 mo)	% Diagnosed Tobacco Users Counseled (12 mo)
0615	1,913	983	911	861	190	2122	318	0	22.07 %	92.68 %	14.99 %	0.00 %



Tobacco Cessation MTF Patient Detail Report V2.3 Enterprise Universe : 434561

Clinic Summary Tobacco Cessation Report *Beta*

Parent MTF DMIS: 0615

Data Refresh: 11/09/2009 20:43

Appointment Date between: 8/1/2009 12:00:00 A.M. and 9/1/2009 12:00:00 A.M.

Report Date : 11/18/09

Child DMIS ID	Clinic	# Adult Visits	# Adult Visits with Vitals	# Adult Vitals Visits w/Tobacco Use Screening	# Unique Adults Screened for Tobacco Use	# Unique Adults with Reported Tobacco Use	# Unique Adults with Reported Tobacco Use (12 mo)	# Unique Adults Diagnosed w/ ICD-9 for Tobacco Use (12 mo)	# Unique Adults Counseled on Tobacco Use (12 mo)	% Prevalence of Tobacco Use	% Vitals Visits with Tobacco Screening	% Tobacco Users Diagnosed (12 mo)	% Diagnosed Tobacco Users Counseled (12 mo)
0615	COUNSELING AND ASSTCI	12	12	12	12	9	99	0	0	75.00 %	100.00 %	0.00 %	0.00 %
0615	EMERGENCY ROOM	252	247	229	226	70	723	70	0	30.97 %	92.71 %	9.68 %	0.00 %
0615	FAMILY PRACTICE	564	428	424	393	71	799	97	0	18.07 %	99.07 %	12.14 %	0.00 %
0615	GENERAL SURGERY	32	13	13	13	4	44	0	0	30.77 %	100.00 %	0.00 %	0.00 %
0615	HEALTH PROMOTION (WEL)	475	70	69	66	20	120	72	0	30.30 %	98.57 %	60.00 %	0.00 %
0615	IMMUNIZATION CLINIC	112	0	0	0	0	0	0	0	0.00 %	0.00 %	0.00 %	0.00 %
0615	INTERNAL MEDICINE	52	32	27	27	5	73	13	0	18.52 %	84.38 %	17.81 %	0.00 %
0615	NUTRITION	8	0	0	0	0	0	0	0	0.00 %	0.00 %	0.00 %	0.00 %
0615	OB/GYN	65	55	55	49	5	49	5	0	10.20 %	100.00 %	10.20 %	0.00 %
0615	OCCUPATIONAL HEALTH	108	54	49	47	1	86	0	0	2.13 %	90.74 %	0.00 %	0.00 %
0615	OPTOMETRY	132	39	0	0	0	2	53	0	0.00 %	0.00 %	2,650.00 %	0.00 %
0615	ORTHOPEDICS	37	6	6	6	1	35	0	0	16.67 %	100.00 %	0.00 %	0.00 %
0615	PAIN MANAGEMENT CLINIC	2	2	2	2	0	1	0	0	0.00 %	100.00 %	0.00 %	0.00 %

Introduction

Parent DMIS Summary

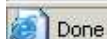
Child DMIS Summary

Clinic Summary

Provider S

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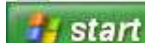
Discussions



Done



Internet



start



MetaFra...



KRAFT...



1300



Microsof...



https://1...



12:23 PM

Clinic Summary Tobacco Cessation Report *Beta*

Parent MTF DMIS: 0615

Data Refresh: 11/09/2009 20:43

Appointment Date between: 8/1/2009 12:00:00 A.M. and 9/1/2009 12:00:00 A.M.

Report Date : 11/18/09

Child DMIS ID	Clinic	Provider Full Name	# Adult Visits	# Adult Visits with Vitals	# Adult Vitals Visits w/Tob Use Screening	# Unique Adults Screened for Tobacco Use	# Unique Adults with Reported Tobacco Use	# Unique Adults with Reported Tobacco Use (12 mo)	# Unique Adults Diagnosed w/ ICD-9 for Tobacco Use (12 mo)	# Unique Adults Counseled on Tobacco Use (12 mo)	% Prevalence of Tobacco Use	% Vitals Visits with Tobacco Screening	% Tob Users Diagnosed (12 mo)	% Diagnosed Tobacco Users Counseled (12 mo)
0615	COUNSELING AND ASSTCE	COBLER, NATHAN M	6	6	6	6	4	24	0	0	66.67 %	100.00 %	0.00 %	0.00 %
0615	COUNSELING AND ASSTCE	MANGUM, EDWARD P	4	4	4	4	3	11	0	0	75.00 %	100.00 %	0.00 %	0.00 %
0615	COUNSELING AND ASSTCE	NARRO, MARLO MARIE	2	2	2	2	2	7	0	0	100.00 %	100.00 %	0.00 %	0.00 %
0615	EMERGENCY ROOM	AKINTONDE, OLADAPO A	65	65	56	55	17	122	1	0	30.91 %	86.15 %	0.82 %	0.00 %
0615	EMERGENCY ROOM	ANDERSON, CORY A	1	1	1	1	0	6	1	0	0.00 %	100.00 %	16.67 %	0.00 %
0615	EMERGENCY ROOM	BAILEY, NICHOLAS A	1	1	1	1	0	5	1	0	0.00 %	100.00 %	20.00 %	0.00 %
0615	EMERGENCY ROOM	BOROJERDI, BABAK	36	35	35	35	7	90	0	0	20.00 %	100.00 %	0.00 %	0.00 %
0615	EMERGENCY ROOM	BRANDON, BRETT M	2	2	2	2	0	2	0	0	0.00 %	100.00 %	0.00 %	0.00 %
0615	EMERGENCY ROOM	CRUCE, CHARLES C	2	2	2	2	1	2	0	0	50.00 %	100.00 %	0.00 %	0.00 %
0615	EMERGENCY ROOM	CRUZ, SAMY A	23	22	22	22	10	88	4	0	45.45 %	100.00 %	4.55 %	0.00 %
0615	EMERGENCY ROOM	DAUGHERTY, TREVOR H	3	3	3	3	0		0	0	0.00 %	100.00 %	0.00 %	0.00 %
0615	EMERGENCY ROOM	DIALLO, HAMMA A	2	2	2	2	1	2	0	0	50.00 %	100.00 %	0.00 %	0.00 %
0615	EMERGENCY ROOM	GILL, KATHARINE L	7	7	7	7	1	12	1	0	50.00 %	78.57 %	8.33 %	0.00 %

CDM Dashboard Drill Down



7. Dashboard Sample



U.S. Department of Defense
Military Health System

SAMPLE ONLY, NOT
YET FIELDDED

Clinical Data Mart



California Diabetic Compliancy

All Agencies



Close

All Agencies



Oceanside Family Clinic

	Patient Count	Compliance %
HbA1c	1165	268%
Foot Exam	309	5%
Eye Exam	221	30%
LDL	291	87%
Glucose	76	121%

View MTF Scorecard

CDM Canned Diabetes Report



https://152.229.149.187 - InfoView - Microsoft Internet Explorer

CDM DHSS CDM HOME PAGE - FOR OFFICIAL USE ONLY Welcome: CHERYLANN_L_KRAFT1

New Send My InfoView Search title diabetes

Folders Home My Folder Favorites Inbox Public Folder

Search Results: title contains "diabetes"

Organize Filter: All Types

Title	Folder	Last Run	Type	Owner	Instances
1-Measure Definitions for Diabetes Patient Detail Reports v1.2 Properties v1.2 - This document provides the guidelines and sources of data for each of the measures included on the Diabetes Patient Detail Reports.	CDM Standard Reports Folder	Never run	Adobe Acrobat	BOXIADMIN	0
1-Measure Definitions for Diabetes Patient List Reports v1.2 Properties v1.2 - This document provides the guidelines and sources of data for each of the measures included on the Diabetes Patient List reports.	CDM Standard Reports Folder	Never run	Adobe Acrobat	BOXIADMIN	0
Diabetes Patient Detail Report v1.2 History Modify Properties v1.2 - This report displays summary and detail information for a patient based on a selected FMP/Sponsor SSN or CDM Patient ID. The focus of the report is for Diabetes, however, much of the data can also apply to other areas. NOTE: THIS REPORT CONTAINS CUSTOM SQL IN THE QUERIES. Do not make any changes to the queries as that will override the necessary custom changes and may cause data to display incorrectly.	CDM Standard Reports Folder	Never run	Web Intelligence Document	BOXIADMIN	0
Diabetes Patient Detail Summary Report v1.2 History Modify Properties v1.2 - This report displays summary information and status for a patient based on a selected FMP/Sponsor SSN or CDM Patient ID. It includes just the Summary and Graph report tabs and is focused on Diabetes. To see all of the details for the patient, use the Diabetes Patient Detail Report. NOTE: THIS REPORT CONTAINS CUSTOM SQL IN THE QUERIES. Do not make any changes to the queries as that will override the necessary custom changes and may cause data to display incorrectly.	CDM Standard Reports Folder	Never run	Web Intelligence Document	BOXIADMIN	0
Diabetes Patient List for Current User v1.2 History Modify Properties v1.2 - This report displays a list of Diabetic patients for the current user based on the patient having an appointment with that user during the timeframe specified. No-Show and Cancel appointments are NOT included. NOTE: THIS REPORT CONTAINS CUSTOM SQL IN THE QUERIES. Do not make any changes to the queries as that will override the necessary custom changes and may cause data to display incorrectly. NOTE: It is recommended that you schedule the report when using large appointment date ranges.	CDM Standard Reports Folder	Never run	Web Intelligence Document	BOXIADMIN	0
Diabetes Patient List for Selected Clinic v1.2	CDM Standard Reports Folder	Never run	Web Intelligence Document	BOXIADMIN	0

Discussions

Done

start MetaFra... KRAFT, ... 1300 Microsof... https://1... 12:29 PM

Diabetes Summary Report



4. Clinical Scorecard Details - Diabetes

Document View Insert Save Find Undo Redo 1/1

Edit Refresh Data

Diabetes Summary Report

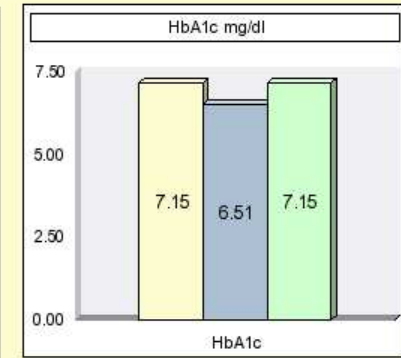
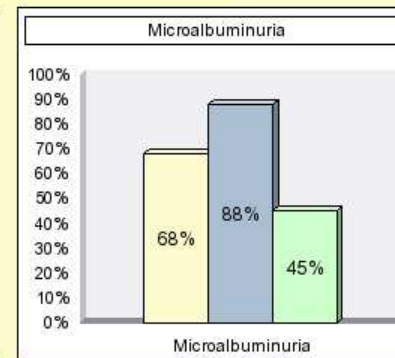
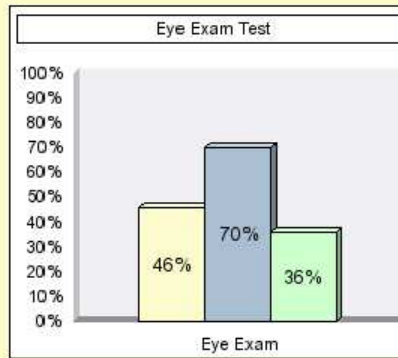
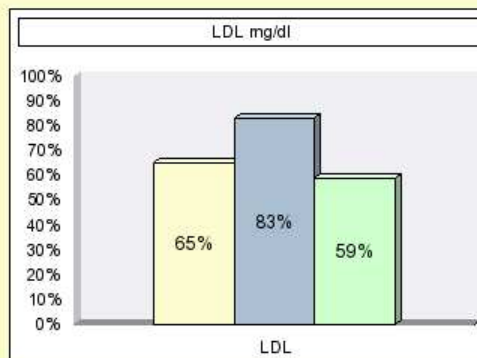
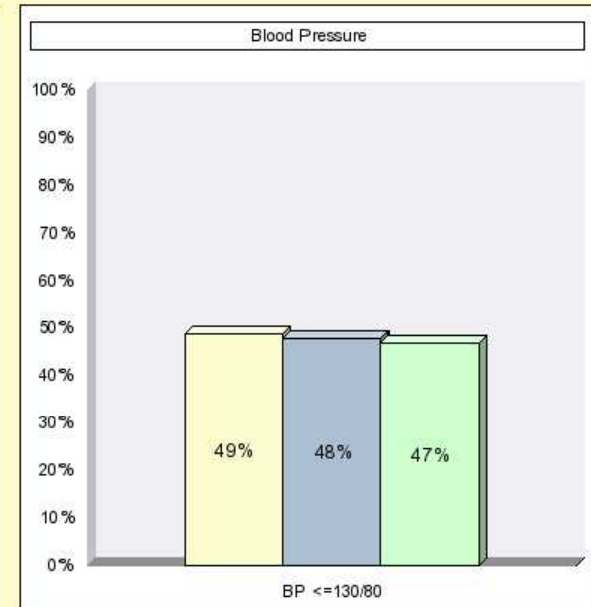
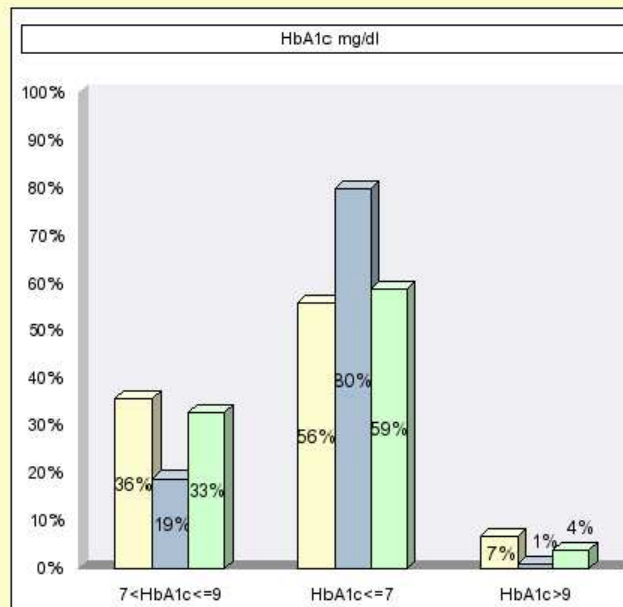
Provider: Dr. Koop

Period: Jan 2007 - Dec 2007

Patients Tested (Prop of Tot Pts %) - All Patients

	Provider	MTF	Navy
Blood Pressure	279	343,185	735,674
Eye Exam	270	232,154	464,636
HbA1c	209	449,167	1,071,245
LDL/Triql	262	474,401	1,045,432
Microalbuminuria	251	343,184	580,795
Tot Patients	282	487,246	1,210,807

- 1 - LDL measures represent two years ending in the chosen period.
 2 - Microalbuminuria measures include spot microalbumin, 24 hour urine for protein and microalbumin/creatinine ratio within the reporting period, or any history of treatment for nephropathy



Diabetes Summary Report



Diabetes Patient Detail Summary Report v1.2

Document View Find Undo Redo Zoom 90% 1 Refresh

Patient Information for:

Data Last Updated: 24 Jan 2010 09:08 AM

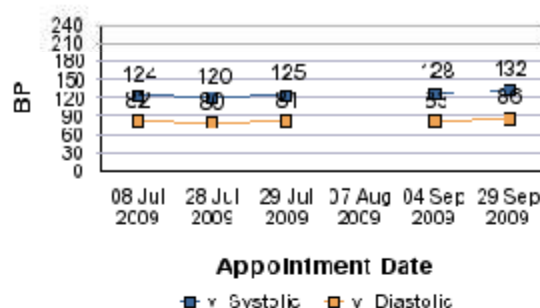
Age/Gender: 35 year old - Female	Patient Category: USN AD	Weight: 232.8 lbs (105.8 kg)
DOB: 17 Jul 1974	Race:	Height: 71.5 inches (28.15 cm)
Records Location: TMC-OUTPATIENT RECORDS, BAMC	Marital Status:	Allergies Exist
DEERS Enrollment: ELIGIBLE (DMIS ID: #)	PCM: WAGNER, MICHAEL S	
Address/Phone:	A 23703 Home: Work: (757) 953-2207	

Most Recent Data for Diabetic Measures [Display Guidance](#)

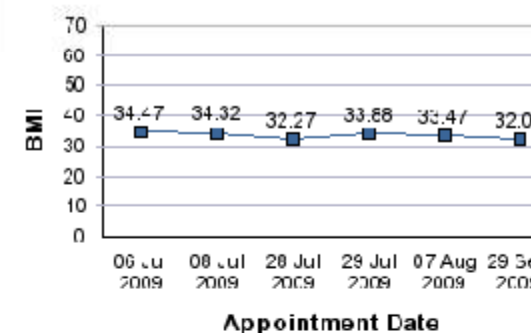
BP	29 Sep 2009	*132/86	
BMI	29 Sep 2009	*32.02	
A1c	15 Jun 2009	8.2	%
LDL	*14 Nov 2008	44	MG/DL
HDL	*14 Nov 2008	73	MG/DL
Creatinine	05 Jun 2009	0.9	MG/DL
GFR	23 Feb 2009	>60	ML/MIN
Assessed for Nephropathy	*06 Aug 2008	microalbumin/creatinine: 30 (MCG/MG)	
Tobacco Use	29 Sep 2009	N (Vitals)	N (Pb List)
Tobacco Counseling	20 Aug 2008		
Nutrition Counseling	*24 Sep 2008		
Foot Exam	*9/16/08		
Eye Exam	18 Dec 2008		
Proteinuria	*Not Evald		

[DoD/VA Guideline Summary](#)[DoD/VA Complete Guideline](#)[ADA Website](#)

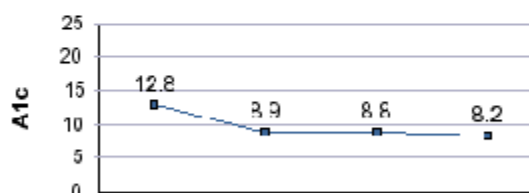
Blood Pressure (Target < 140/80)



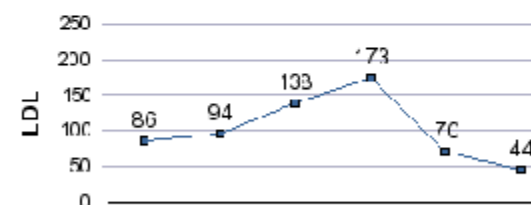
BMI (Target 18.5 - 24.99)



A1c (Target < 9.0)



LDL (Target < 100)



Summary

Graphs

Refresh Date: January 26, 2010 11:34:

Clinical Scorecard



3. Clinical Scorecard

Document View Insert Save Find Undo Redo 1 / 1

Edit Refresh Data

Analysis context: MTF (All values) Dr. Koop

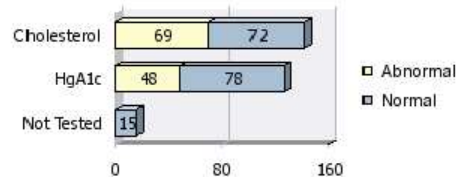
Clinical Scorecard

Condition	Patient Count	
Asthma	268	
CHF	97	
Chronic Kidney Disease	116	
Depression	143	
Diabetes	141	
Hypertension	94	
PTSD	112	
TBI	104	
Tobacco	99	

KPI Legend

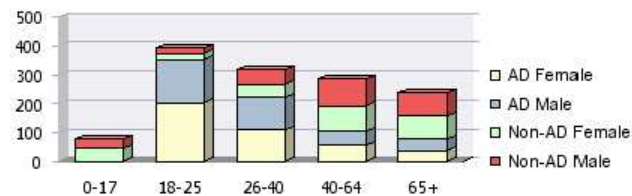
- Over 20% of Panel
- Between 10% and 20%
- Under 10% of Panel

Diabetes Population



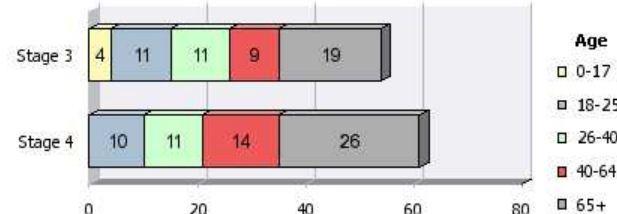
Beneficiaries: 1,315 Active Duty: 757

Patient Demographics



Age Range	AD Female	AD Male	Non-AD Female	Non-AD Male
0-17	0	0	47	31
18-25	202	150	21	20
26-40	110	113	43	53
40-64	56	48	89	94
65+	37	41	79	81
Totals:	405	352	279	279

Chronic Kidney Disease Population



SAMPLE ONLY, NOT YET FIELDDED

Clinical Scorecard

Corneal Refractive Surgery/ Follow-Up Report



5. Corneal Refractive Surgery & Follow-up Diagnosis

Document View Insert Save Find Undo Redo 1 Edit Refresh Data

Corneal Refractive Surgery & Follow-up Diagnosis

SMITH, ROBERT

Patient ID	Appointment Date	MTF Name	CPT4/ ICD9	Procedure/Diagnosis
PHI Data	2/23/06	Valley View Medical Center	S0810	PHOTOREFRACTIVE KERATECTOMY (PRK)
PHI Data	3/14/06	Bayside Critical Care Center	V58.71	AFTERCARE FOLLOWING SURGERY OF SENSE ORGANS

JONES, ERIN

Patient ID	Appointment Date	MTF Name	CPT4/ ICD9	Procedure/Diagnosis
PHI Data	8/23/07	Valley View Medical Center	S0810	PHOTOREFRACTIVE KERATECTOMY (PRK)
PHI Data	8/24/07	Valley View Medical Center	S0810	PHOTOREFRACTIVE KERATECTOMY (PRK)
PHI Data	9/21/07	Bayside Critical Care Center	V58.71	AFTERCARE FOLLOWING SURGERY OF SENSE ORGANS
PHI Data	11/13/07	Bayside Critical Care Center	V58.71	AFTERCARE FOLLOWING SURGERY OF SENSE ORGANS

NORRIS, MICHAEL

Patient ID	Appointment Date	MTF Name	CPT4/ ICD9	Procedure/Diagnosis
PHI Data	11/29/07	Valley View Medical Center	S0810	PHOTOREFRACTIVE KERATECTOMY (PRK)

ALLEN, TYLER

Patient ID	Appointment Date	MTF Name	CPT4/ ICD9	Procedure/Diagnosis
PHI Data	8/10/06	Valley View Medical Center	S0810	PHOTOREFRACTIVE KERATECTOMY (PRK)

Corneal Refractive Surgery Report

Encounters Needing Co-Signature



6. Needs Co-Signature

Document View Insert Save Find Undo Redo 1 / 1

Edit Refresh Data

Analysis context: MTF Name (All values) DOCTOR, GINO

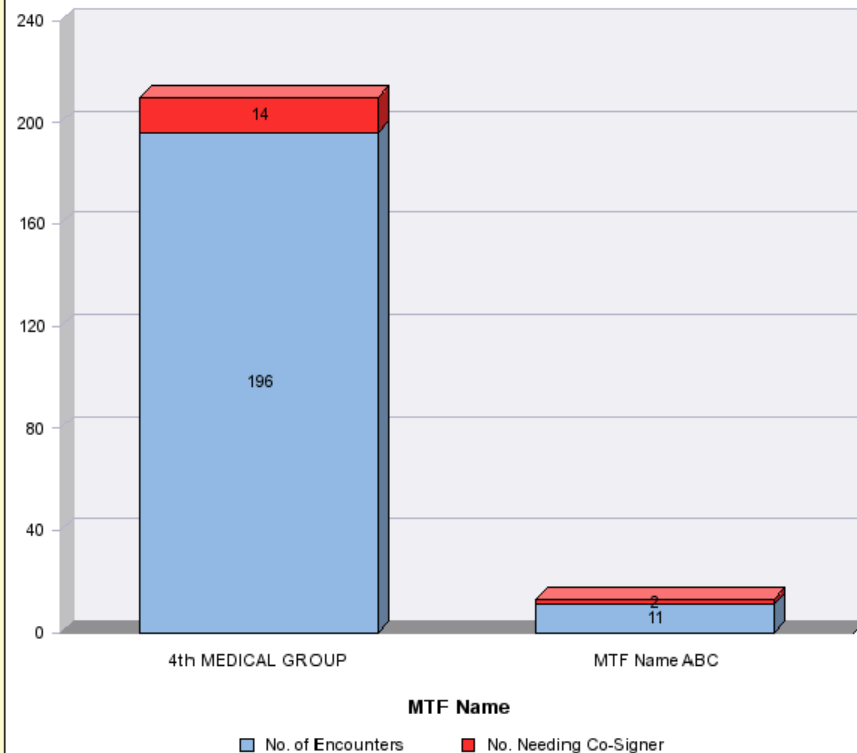
Encounters Needing Co-Signature

Total Percentage of Encounters Needing a Co-Signature

7.73%

MTF Name	Provider Name	Patient Name	Appointment Date
4th MEDICAL GROUP	DOCTOR, GINO	BEER, GERMAN	3/7/05
4th MEDICAL GROUP	DOCTOR, GINO	BEER, GERMAN	3/9/05
4th MEDICAL GROUP	DOCTOR, GINO	BEER, GOOD	3/14/05
4th MEDICAL GROUP	DOCTOR, GINO	BEER, MA	3/25/05
4th MEDICAL GROUP	DOCTOR, GINO	FAILOVER, CINDY	5/16/05
4th MEDICAL GROUP	DOCTOR, GINO	FROG, BULL	6/2/05
4th MEDICAL GROUP	DOCTOR, GINO	MARCH, MONDAY	3/17/05
4th MEDICAL GROUP	DOCTOR, GINO	MARCH, MONDAY	3/22/05
4th MEDICAL GROUP	DOCTOR, GINO	MARCH, THURSDAY	3/10/05
4th MEDICAL GROUP	DOCTOR, GINO	MARCH, THURSDAY	3/11/05
4th MEDICAL GROUP	DOCTOR, GINO	MARCH, TUESDAY	3/16/05
4th MEDICAL GROUP	DOCTOR, GINO	REDNECK, DIXIELAND	5/13/05
4th MEDICAL GROUP	DOCTOR, GINO	SHARK, TWO	12/21/04
4th MEDICAL GROUP	DOCTOR, GINO	TRACKER, MAMMA	3/7/05
MTF Name ABC	DOCTOR, GINO	MARCH, COLD	4/1/05
MTF Name ABC	DOCTOR, GINO	WEESE, JASON D	6/27/05

Encounters Needing Co-Signature



Needs Co-Signature

Appointment and Encounter Status



Encounter Status

MTF NAME ABC

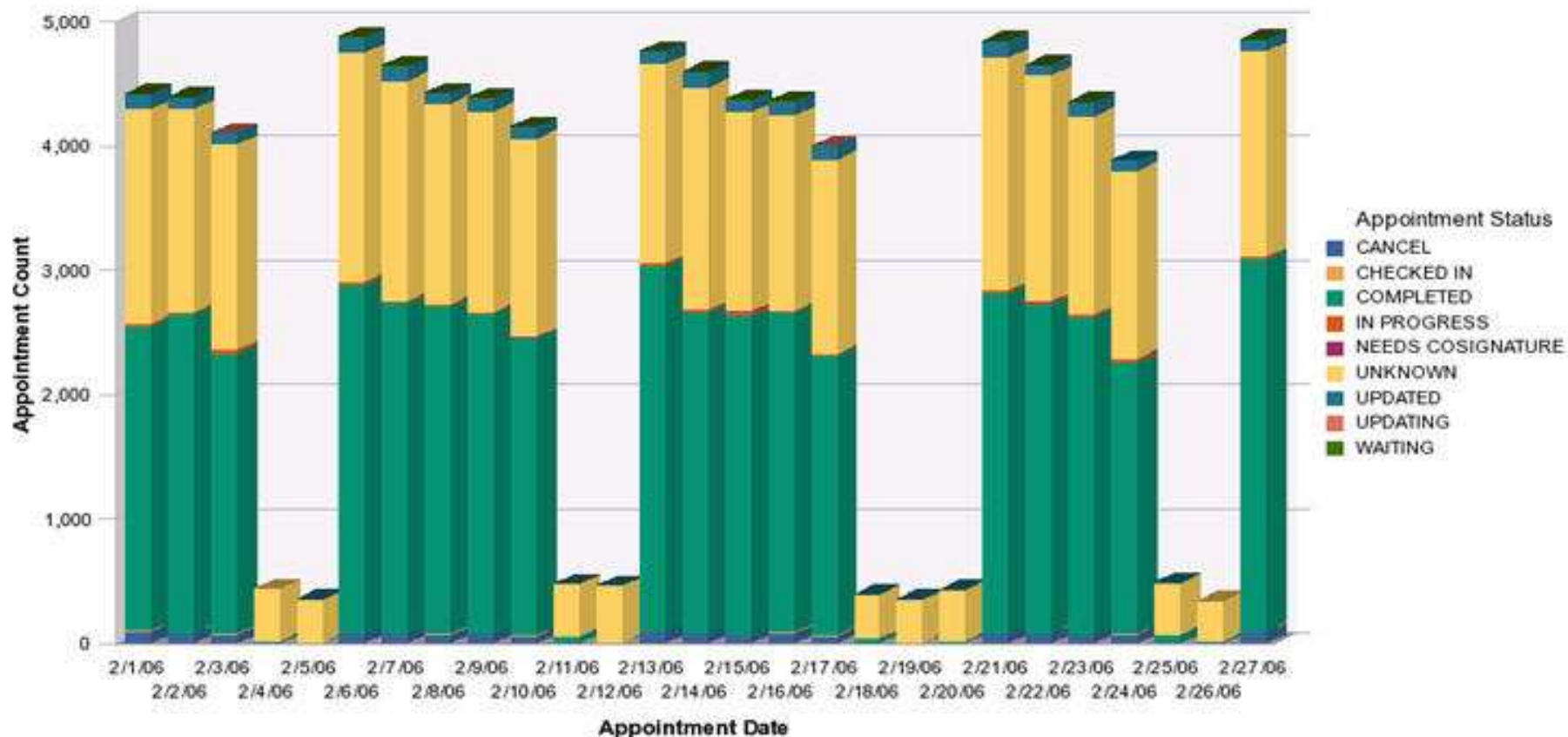
	CANCEL	CHECKED IN	COMPLETED	IN PROGRESS	NEEDS COSIGNATURE	UNKNOWN	UPDATED	UPDATING	WAITING	Sum
2/1/06	95	7	2,446	25		1,724	121		2	4,420
2/2/06	79	6	2,561	18	1	1,636	92		4	4,397
2/3/06	61	19	2,252	28	2	1,652	91	1		4,106
2/4/06	1		15			420				436
2/5/06	1		4			346	1			352
2/6/06	75	3	2,808	22		1,843	124		3	4,878
2/7/06	83	2	2,651	18	2	1,770	109		11	4,646
2/8/06	67	11	2,630	16	6	1,611	84		4	4,429
2/9/06	74	1	2,569	17	3	1,616	103	1	5	4,389
2/10/06	56	5	2,391	9	2	1,595	98		2	4,158
2/11/06	2		57			415	5			479
2/12/06			8			454	1			463
2/13/06	87		2,950	20	1	1,599	102	1	2	4,762
2/14/06	78	2	2,583	21	1	1,786	127	1	2	4,601
2/15/06	69	2	2,564	25	8	1,602	96	1	10	4,377
2/16/06	79	12	2,574	11	1	1,572	108		8	4,365
2/17/06	56	16	2,242	16	2	1,561	106	1		4,000
2/18/06			39			355	1			395

Appointment and Encounter Status



Encounter Status

MTF NAME ABC



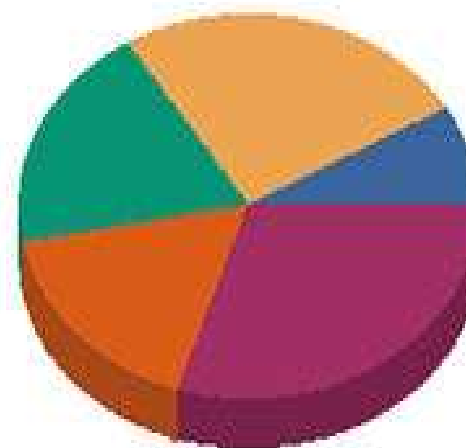
MTF Females' BMI distribution



Female Patient Totals by BMI Category

MTF NAME ABC

BMI Category	Patient Count
A - UnderWeight (<19)	76
B - Healthy (>=19 and <25)	232
C - OverWeight (>=25 and <=30)	175
D - Obese (>30)	153
E - Unknown	272
Sum:	908
	Percentage:



Patient Count



Clinic Pap Follow Up report



https://152.229.149.187 - InfoView - Microsoft Internet Explorer

EIDS CDM HOME PAGE - FOR OFFICIAL USE ONLY

Welcome: CHERYLANN L_KRAFT

Cervical Cancer - Provider : 212561

Document View Insert Save Find Undo Redo Zoom 100%

Analysis context: Provider Full Name (All values) Clinic Name (All values)

Cervical Cancer Report

Lab Order Date Range: 2/1/2008 12:00:00 AM - 3/31/2008 12:00:00 AM
MTF: NBHC NAS Brunswick

	Number	Percent
Patients with Pap Test	11	2.53%
Patients without Pap Test	424	97.47%
Patients with Q Code	1	0.23%
Patients without Q Code	10	2.30%
Total	435	Female Patients

*Total Counts female patients between 24-64 who have not had a hysterectomy.
*Of these patients, this report lists those who have had their pap smear completed and the QCode.

Patient Name	Age	Q-Code	Lab Name	Result	Home Phone	Work Phone	Address
	43.9	No	PAP SMEAR	NEGATIVE FOR LESION OR MALIGNANCY	(207) 729-6459		17 LUPINE CIR BRUNSWICK, ME 04011
	45.6	No	PAP SMEAR	NEGATIVE FOR LESION OR MALIGNANCY	(207) 725-4101		20 INTREPID ST BRUNSWICK, ME 04011
	55.4	No	PAP SMEAR	NEGATIVE FOR LESION OR MALIGNANCY	(207) 319-5001		7 PITCH PINE DR TOPSHAM, ME 04086
	32.0	No	PAP SMEAR	NEGATIVE FOR LESION OR MALIGNANCY		(207) 921-1139	1251 ORION ST S BRUNSWICK, ME 04011
	40.2	No	PAP SMEAR	NEGATIVE FOR LESION OR MALIGNANCY	(207) 443-1075		463 RIVER RD WOOLWICH, ME 04579
	26.2	No	PAP SMEAR	NEGATIVE FOR LESION OR MALIGNANCY	(207) 729-5034	(207) 921-2468	12 OAKWOOD TER BRUNSWICK, ME 04011
	27.0	No	PAP SMEAR	NEGATIVE FOR LESION OR MALIGNANCY		(207) 921-2620	16C ANTIETAM ST 1251 ORION STREET BRUNSWICK, ME 04011
	29.7	No	PAP SMEAR	NEGATIVE FOR LESION OR MALIGNANCY	(207) 514-0524		9 MIDDLE STREET UNIT SOUTH HANGAR 6 LISBON FALLS, ME 04252
	26.7	Yes	PAP SMEAR	NEGATIVE FOR LESION OR MALIGNANCY	(207) 729-0325	(207) 607-0149	31 ANTIETAM ST BRUNSWICK, ME 04011
	24.8	No	PAP SMEAR	NEGATIVE FOR LESION OR MALIGNANCY	(207) 409-3437		10 LIBERTY LN APT 50 SOUTH PORTLAND, ME 04106
	37.7	No	PAP SMEAR	NEGATIVE FOR LESION OR MALIGNANCY	(207) 622-7384	(254) 368-9292	374 RIVER RD CHELSEA, ME 04330

Pap Report

Discussions

Done

Start Interim Self Assess Sand... AHLTAUC KRAFT CDM 2... 5 Microsoft Office Out... KRAFT, CHERYLANN L: A... https://152.229.149...

Internet

5:17 PM

Patient Panel



1. Patient Panel

Document View Insert Save Find Undo Redo 1/1

Edit Refresh Data

User Pri

Analysis context: Desert Sands Medical Center Specialty (All values) DR. KOOP Year (All values) Month (All values)

Advanced

Enter Appointment

1/1/2006 1:

M/d/yyyy h

Enter Appointment

12/31/2007

M/d/yyyy h

Patient Panel for: DR. KOOP Panel Size: 20

PATIENT NAME	AGE	RANK	AD	TBI	PTSD	BMI	DM	CHOL	ASTH	TOB	HTN	DEP
BELL, BEN L	54.4	CAPT	Y			25						
BROWN, ANNETTE F	32.6	SPEC	Y			42						
BUTLER, ALBERTO	40.6	COL	Y			20						
BUTLER, BRIAN R	40.7	CAPT	Y			20						
BUTLER, TOM	51.6	CAPT	Y			21						
BUTT, BRETT	45.9	LTCOL	Y			40						
HALL, BRADLEY R	43.7	LTCOL	Y			20						
HOLT, ANGIE OWENS	44.2	MAJ	N			20						
JONES, CHARLENE R	43.7	CAPT	Y			22						
KOVAC, ARMANI M	9.0		N			20						
MANN, COMPLAINING	18.2	MAJ	Y			20						
PATTERSON, ALEXAS N	12.8		N			20						
PETERSON, ALEXANDER BERNARDO	29.8	CAPT	Y			33						
TRUSTY, ALANNA L	10.2		N			19						
TRUSTY, CARRIE A	34.6	LTCOL	Y			20						
TRUSTY, SONIA ILERIA	31.5	CAPT	Y			26						
TYSON, EIGHTEEN	3.4		N			20						

Abbreviation

AD	Active Duty
TBI	Traumatic Brain Injury
PTSD	Post-Traumatic Stress Disorder
BMI	Body Mass Index
DM	Diabetes
CHOL	Cholesterol
ASTH	Asthma
TOB	Tobacco
HTN	Hypertension
DEP	Depression

Patient Panel

Legend

Patient Panel Legend



1. Patient Panel

Document View Insert Save Find Undo Redo 1 / 1 Edit Refresh Data

TBI	PTSD	BMI	Diabetes	Cholesterol	Asthma
Yes	Yes	Obese	Has Diabetes but labs are either out of control or missing exams	High Risk	Severe Persistent
		Overweight		Borderline High Risk	Moderate Persistent
		Underweight	Has Diabetes and labs are in control and exams on time	Normal	Mild Persistent, Mild Intermittent
		Normal			Normal

Tobacco
Yes

Hypertension
Yes

Depression
Yes

SAMPLE ONLY, NOT YET FIELD

Patient Panel Legend

Patient Panel Detail



2. Patient Panel Details

Document View Insert Save Find Undo Redo 1 / 1

Edit Refresh Data

Patient Information for: BROWN, ANNETTE F

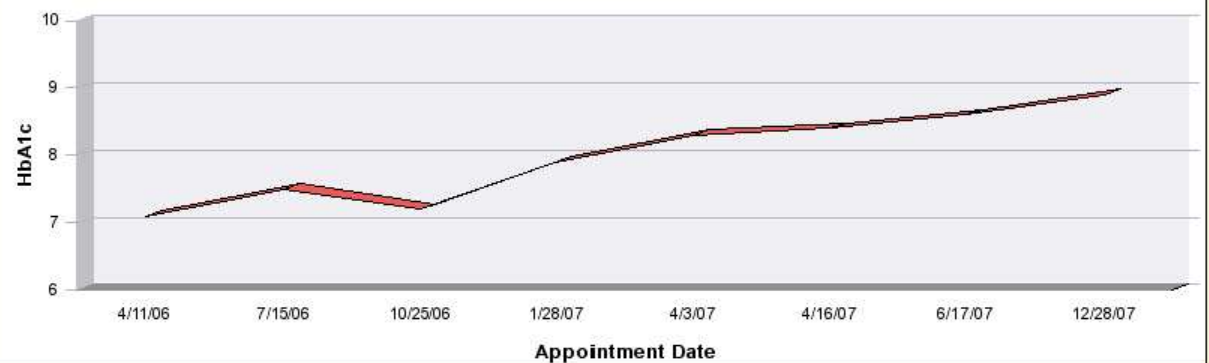
Gender:	F	Age:	32.6
Records Location:	Fort Bragg, NC	DOB:	09 Sep 1975
Marital Status:	Married	Category:	USA AD ENLISTED
PCM:	Dr. Koop	Rank:	SPECIALIST E4-A
		DEERS Eligibility:	INELIGIBLE
Home Address:	6290 Yadkin Rd, Fayetteville, NC		
Height:	5' 2"		
Weight:	229		
BMI:	42		

SAMPLE ONLY, NOT
YET FIELDDED

Chronic Conditions

Cholesterol	263
Depression	ICD-9: 300.4 - Depression with Anxiety
Diabetes	No foot exam
Hypertension	BP: 163/85

HbA1c Trend



Demographics

Encounters

Diagnoses

Procedures

Medications

Chemistry Lab Results

Radiology Results

Immunizations

Allergies

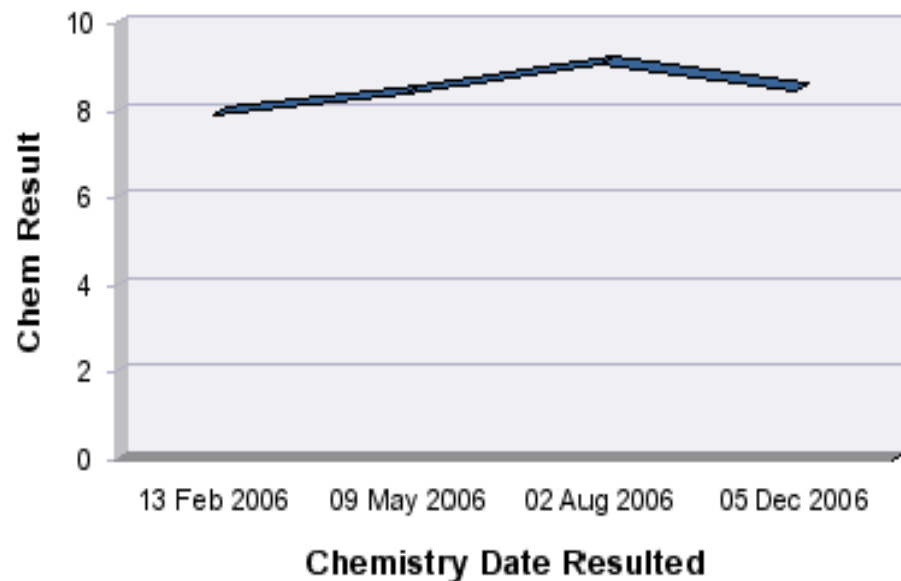
Discussions

HEMOGLOBIN TREND



Patient SSN: 123456789

Full Name	Appointment Date	Chemistry Date Resulted	Chemistry Result (Numeric)	Chem Result	Chemistry Lab Test	MTF Name
	2/10/06	13 Feb 2006	7.9	7.9	HEMOGLOBIN A1C	Madigan AMC-Fort Lewis
	5/8/06	09 May 2006	8.4	8.4	HEMOGLOBIN A1C	Madigan AMC-Fort Lewis
	8/2/06	02 Aug 2006	9.1	9.1	HEMOGLOBIN A1C	Madigan AMC-Fort Lewis
	12/4/06	05 Dec 2006	8.5	8.5	HEMOGLOBIN A1C	Madigan AMC-Fort Lewis



Patient Panel Detail – Encounters



2. Patient Panel Details

Document View Insert Save Find Undo Redo 1/1

Edit Refresh Data

Encounter Data

Patient Information for: BROWN, ANNETTE F

Appointment Date	Encounter Status	BloodPressure
12/28/07	COMPLETED	163/85
12/23/07	COMPLETED	171/89
12/17/07	COMPLETED	130/98
12/13/07	COMPLETED	130/78
12/12/07	COMPLETED	120/78
12/2/07	COMPLETED	185/60
11/30/07	COMPLETED	120/60
11/29/07	COMPLETED	120/80
11/24/07	COMPLETED	120/80
11/24/07	COMPLETED	128/63
11/24/07	COMPLETED	151/106
11/19/07	COMPLETED	120/80
11/18/07	COMPLETED	120/80
11/12/07	COMPLETED	93/92
11/10/07	COMPLETED	120/60
11/9/07	COMPLETED	93/90
11/5/07	COMPLETED	130/92
11/3/07	COMPLETED	180/100
8/24/07	COMPLETED	144/92
1/6/07	COMPLETED	140/78

Demographics

Encounters

Diagnoses

Procedures

Medications

Chemistry Lab Results

Radiology Results

Immunizations

Allergies

Discussions

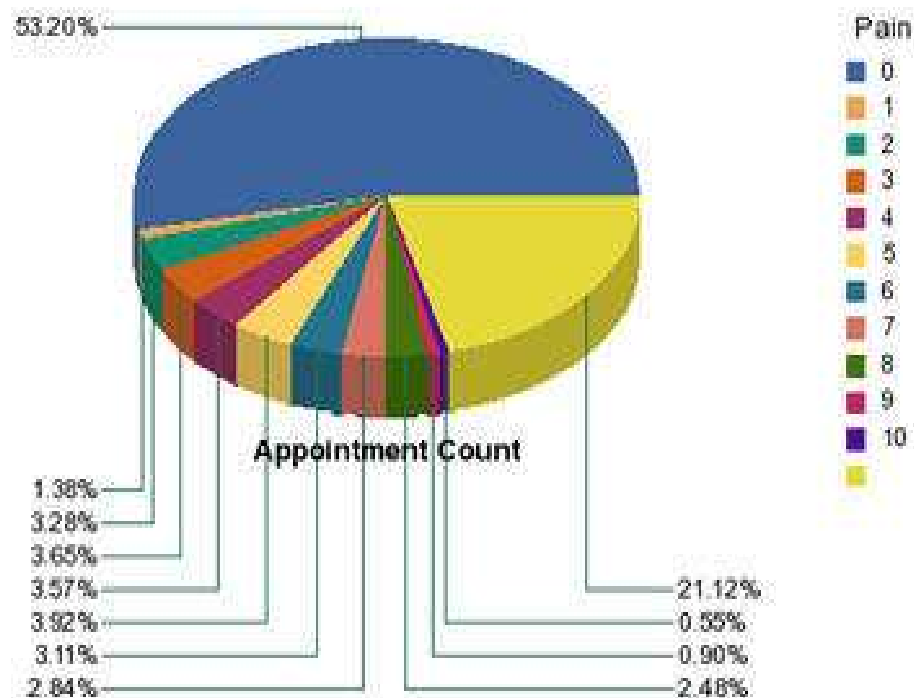


APPOINTMENT COUNT BY PAIN SCALE

Appointment Count by Pain Scale

MTF NAME ABC

Pain	Appointment Count	Percentage
<u>00</u>	14,932	53.20%
<u>01</u>	387	1.38%
<u>02</u>	921	3.28%
<u>03</u>	1,024	3.65%
<u>04</u>	1,003	3.57%
<u>05</u>	1,099	3.92%
<u>06</u>	872	3.11%
<u>07</u>	797	2.84%
<u>08</u>	697	2.48%
<u>09</u>	253	0.90%
<u>10</u>	154	0.55%
<u>Undocumented</u>	5,927	21.12%
Total	28,066	100.00%





Thank you

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